

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-2 (Canceled).

3. (Currently Amended) In a solid-state image pickup device in which a pixel is provided with a received light storage unit and a vertical register or a vertical register having a light receiving function, and which includes pixels in a two-dimensional arrangement and a horizontal register, a solid-state image pickup apparatus being characterized in that

three transfer electrodes are provided per one column of the vertical register in a part of the vertical register on the horizontal register's side;

said three transfer electrodes are formed from one gate electrode layer ~~of three different gate electrode layers~~; and

said three transfer electrodes are arranged in a repeating cycle ~~of three columns of the vertical register~~.

4. (Currently Amended) A solid-state image pickup device according to Claim 3, characterized in that

the transfer electrodes adjacent to said horizontal register out of said three transfer electrodes are formed from two gate electrode layers ~~of said three different layers~~, and the transfer electrodes on the opposite side to said horizontal register are formed from two gate electrode layers including a gate electrode layer not used for the transfer electrodes adjacent to said horizontal register ~~out of said three different layers~~.

5. (Currently Amended) In a solid-state image pickup apparatus comprising a solid-state image pickup device including pixels in a two-dimensional arrangement,

a camera ~~being characterized by~~ comprising:

a first mode in which three pixels in the horizontal direction are made into one block, a mixed charge derived from adding within said solid-state image pickup device a signal charge of one pixel in the middle of the block to a signal charge of one pixel in the middle of an adjacent block is removed outside said solid-state image pickup device, and a mixed charge derived from adding together within said solid-state image pickup device signal charges of two pixels except a pixel in the middle of each block is utilized as an effective signal output; and

a second mode in which signal charges of all pixels in the block are utilized as effective signal outputs corresponding to respective pixels, wherein said first and second modes are ~~made~~ selectable.

Claim 6 (Canceled).

7. (Currently Amended) In a solid-state image pickup apparatus in which a solid-state image pickup device is made up of pixels in a two-dimensional arrangement, a camera ~~being characterized by~~ comprising:

a first mode in which a total of nine pixels including three pixels in the horizontal direction and three pixels in the vertical direction are made into one block, a mixed charge derived from adding together within said solid-state image pickup device signal charges of four pixels in total, namely, signal charges of two pixels in the middle column except the middle row in each block and signal charges of two pixels in the middle column of the adjacent block are removed outside said solid-state image pickup device, and a mixed charge derived from adding together within said solid-state image pickup device signal charges of four pixels at four corners for each block is utilized as an effective signal output, and

a second mode in which signal charges of all pixels in the block are utilized as effective signal outputs corresponding to respective pixels, wherein said first and second modes are mad selectable.